しっちと

Result No. Minimum DB Maximum DB Database Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries Total number of hits satisfying chosen parameters: Searched: Scoring table: Sequence: Perfect score: Title: Run on: OM protein - protein search, using sw model Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. Score seq length: 0
seq length: 2000000000 BLOSUM62 Gapop 10.0 , Gapext 0.5 November 3, 2005, 21:37:29; Search time 91.4866 Seconds (without alignments) 291.060 Million cell updates/sec 100.0
98.8
87.6
887.6
884.1
70.5
20.3
30.3
30.3
30.3
228.9
227.9
227.9
227.7
227.7
227.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
226.7
2 Match Query 1612378 seqs, 512079187 residues UniProt_03:*
1: uniprot_sprot:*
2: uniprot_trembl:* 09782816-51 251 GVKETPQQKYQRLLHEVQEL.....ESATEEKLTPVLLAKQLAAL GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd. Length 402 402 380 800 813 311 1087 751 11087 21199 1755 11968 11968 11968 1458 2478 2478 2478 2478 2478 멂 DCT2_MOUSE Q6AYH5 Q6IRB3 Q66J30 997342 997342 997341 961P53 908VP7 978H14 997141 987045 987045 987045 987045 987045 995355 995355 995355 99535 99535 99535 99535 99535 99535 99535 99535 DCT2_HUMAN SUMMARIES 1612378 09v4y9
06mvp1v5
0971v5
08mqk1
0971v6
08mqi8
08mqj8
07myj8
07myj8 Q7zxy2 Q9ptg6 Q7t3h1 Q6ip53 Q13561 homo sapien Q99kj8 mus musculu Description 7 neurospora
4 neurospora
5 sulfolobus
1 drosophila
5 drosophila
6 drosophila 5 rattus norv
3 xenopus lae
2 xenopus lae
2 zenopus lae
6 gallus gall
1 brachydanio
3 xenopus lae drosophila

45	44	43	42	41	40	39	38	37	36	35	3 4	ü	32
63.5	64	64	64	64	64	64	64	64	64.5	65	65.5	66	66
25.3	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.7	25.9	26.1	26.3	26.3
163	1956	1227	230	210	188	188	188	149	348	388	1837	1022	866
μ	N,	Н	N	N	N	N	N	N	N	N	N	N	N
YO12_BPHP1	Q9Y2K3	JIP3_DROME	075545	Q9SIY3	Q6DGW9	Q921L3	Q9UM00	Q9BZS3	Q8LIJ9	Q7PZ25	074424	Q8TBY8	084500
P51714 bacteriopha	Q9y2k3 homo sapien	Q9gqf1 drosophila	075545 homo gapien	Q9siy3 arabidopsis	Q6dgw9 brachydanio	สนธ แ	Q9um00 homo gapien	Q9bzs3 homo sapien	Q8lij9 oryza sativ	Q7pz25 anopheles g	074424 schizosacch	Q8tby8 homo sapien	O84500 chlamydia t

ALIGNMENTS

Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(; [3] SEQUENCE OF 1-384 FROM N.A. Aumais J.P., Yu-Lee LY.; "Human 50 kD dynactin subunit, p50 dynamitin, cells."; Submitted (NOV-2002) to the EMBL/GenBank/DDBJ [4] SEQUENCE OF 1-13.	Wagner L., e T., Max. e T., Max. e T., Max. e T., Max. armer A.A. armer A.A. roshiyuki roshiyuki roshiyuki roshiyuki ge S., Garc dergren B., m., Madan C., Shevol dergen B., Schmutz J., Schmutz J., si M.I., Sk ees S.J.M., ees S.J.M.,		RESULT 1 DCT2 HUMAN ID DCT2 HUMAN AC Q13561; Q86YN2; Q9BW17; DT 01-NOV-1997 (Rel. 35, Created) DT 05-UIL-2004 (Rel. 44, Last sequence update) DT 05-UIL-2004 (Rel. 44, Last annotation update) DB Dynactin complex 50 kDa subunit (50 kDa dynein-associated DB (p50 dynamitin) (DCTW-50) (Dynactin 2). GN Name=DCTN2; Synonyms-DCTN50; OS Homo sabiens (Human).
2002). isolated from HeLa databases.	L.H., Derge J.G., Shenmen C.M., Schuler G.D., Schaefer C.F., Bhat N.K., S.I., Wang J., Hsieh F., Rubin G.M., Hong L., Casavant T.L., Scheetz T.E., S., Carninci P., Prange C., Abramgon R.D., Mullahy S.J., Malek J.A., Gunarathe P.H., ia A.M., Gay L.J., Hulyk S.W., J., Lu X., Gibbs R.A., A., Rodrigues S., Sanchez A., henko Y., Bouffard G.G., D., Dickson M.C., Myers R.M., Myers R.M., Myers R.M., Smailus D.E., Marra M.A.; Marra M.A.;	ta; Euteleostomi; dae; Homo. b.132.4.617; ee R.B.; of dynactin reveals and spindle and spindle	ssociated polypeptide)

2 anophèles g
6 caenorhabdi
5 caenorhabdi
1 neurospora
2 debaryomyce
1 brachydanio
5 caenorhabdi
9 staphylococ
2 staphylococ
2 staphylococ
6 staphylococ
6 staphylococ
1 staphylococ
7 arabidopsis
9 anopheles g

```
맑
                                                                                                                                                                                                                                                                             S
                                                                                                                                                                                                        RESULT
                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                           Query Match
Best Local
                                                                                                                                                                                     MOUSE
                                                                                                                                                                                                                                                                                                                                                                                     CONFLICT
                                                                             28-FEB-2003 (Rel. 41, Created)
05-UTL-2004 (Rel. 44, Last sequence update)
05-UTL-2004 (Rel. 44, Last amotation update)
Dynactin complex 50 kDa subunit (50 kDa dynein-associated (p50 dynamitin) (DCTN-50) (Dynactin 2) (Growth cone membra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INIT MET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MIM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EMBL; BC000718; AAH00718.1; -.
EMBL; BC009468; AAH09468.1; -.
EMBL; BC014083; AAH14083.1; -.
EMBL; AY189155; AAO34395.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       modified and this statement is not removed. entities requires a license agreement (See or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Exploring profeomes and analyzing protein processing by mass spectrometric identification of sorted N-terminal peptides.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDLINE=22608298; PubMed=12665801; DOI=10.1038/nbt810; Gevaert K., Goethals M., Martens L., Van Damme J., Sta
Thomas G.R., Vandekerckhove J.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TISSUE=Platelet;
                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Coiled coil;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pfam; PF04912; Dynamitin; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    the European
Mus musculus (Mouse)
Bükaryota; Metazoa; Chordata;
Mammalla; Butherla; Rodentia;
NEST.TaxTn=100a0
                                                                                                                                                            DCT2 MOUSE
                                                                                                                                                                                                                                                                                                                                                                                                                     CONFLICT
                                                                                                                                                                                                                                                                                                                                                                                                                                     DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                   DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Membrane;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          InterPro;
                                                                     23-48K)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GO:0005813; C:centrosome; TAS.
GO:0005869; C:dynactin complex; TAS.
GO:0000776; C:kinetochore; TAS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GO:0008283; P:cell proliferation; TAS GO:0007067; P:mitosis; TAS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FUNCTION: Modulates cytoplasmic dynein binding to an organelle, and plays a role in prometaphase chromosome alignment and spind organization during mitosis. May play a role in synapse formati during brain development.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SUBCELLULAR LOCATION: Cytoplasmic and membrane-associated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SUBUNIT: Subunit of dynactin, a multiprotein complex associated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SWISS-PROT entry is copyright. It is produced through a collaboration een the Swiss Institute of Bioinformatics and the EMBL outstation - European Bioinformatics Institute. There are no restrictions on its by non-profit institutions as long as its content is in no way
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     607376;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Biotechnol.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            U50733; AAC50423.1;
                                                                                                                                                                                                                                                  93
                                                                                                                                                                                                                                                                                μ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HGNC:2712;
                                                                   (GMP23-48K).
                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                                                  GVKETPQQKYQRLLHEVQBLTTEVEKIKTTVKESATEBKLTPVLLAKQLAAL 52
                                                                                                                                                                                                                                                 GVKETPQQKYQRLLHEVQELTTEVEKIKTTVKESATESKLTPVLLAKQLAAL 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                dynein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              il; Cytoskeleton; Direct protein sequencing; Dynein;
Microtubule; Motor protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IPR006996; Dynamitin.
                                                                                                                                                                                                                                                                                                                                                                      381
400
                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                         A,
                                                                                                                                                                          STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21:566-569(2003)
                                                                                                                                                                                                                                                                                                                                                                                                       131
243
398
34
35
                                                                                                                                                                                                                                                                                                                                                                         44099 MW;
                                                                                                                                                                                                                                                                                                                           100.0%;
                                                                                                                                                                                                                                                                                                              <u>.</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                Coiled coil
Coiled coil
Coiled coil
                                                                                                                                                                                                                                                                                                                                                                                     A -> AFAQEL (in Ref. 1).

B -> ELB (in Ref. 3).

LATV -> PGHS (in Ref. 3)
                                                                                                                                                                                                                                                                                                           Score 251; DB 1;
Pred. No. 4.7e-17;
Mismatches 0;
                                                                                                                                                                          PRT;
                                                                                                                                                                                                                                                                                                                                                                         0A95AE95C0BB270F
                                                                                                                                                                          401
                                                                                                                                                                          ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                 (Potential). (Potential).
                                                                                                                                                                                                                                                                                                                                                                                                                                  (Potential)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       http://www.isb-sib.ch/announce/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Usage
                                                                                                                                                                                                                                                                                                                                                                         CRC64;
                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Staes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        γď
                                                                                membrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        for
                                                                                                                                                                                                                                                                                                              0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         spindle
                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                              0
```

TaxID=10090;

Craniata; Vertebrata; Euteleostomi; Sciurognathi; Muridae; Murinae; Mus

Similarity

Conservative

0;

Gaps

0

```
RA Strausberg R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Stapleton M.J., Ugdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Stapleton M.J., Ugdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Rosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley R.C., Sodergren E.J., Lu X., Gibbs R.A.,
RA Richards S., Worley A.C., Shevchenko Y., Bouffard G.G.,
RA Fahey J., Helton B., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA Wiltaing M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Butterfield Y.S.N., Krzywinski M.I., Schmutz J., Myers R.M.,
RA Butterfield Y.S.N., Krzywinski M.I., Shaiska U., Smailus D.E.,
RA Schmerch A., Schein J.E., Jones S.J.M., Marra M.A.;
"Generation and initial analysis of more than 15,000 full-length human
rand mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903 (2002).
Query Match
Best Local S
Matches 51
                                                                                                                DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                  This SWISS-PROT entry is copyright. It is produced through a collaboratic between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on it use by non-profit institutions as long as its content is in no was modified and this statement is not removed. Usage by and for commercial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDLINE=97289622; PubMed=9144527; DOI=10.1006/bbrc.1997.6447; Abe T.K., Tanaka H., Iwanaga T., Odani S., Kuwano R.; "The presence of the 50-kDa subunit of dynactin complex in th growth cone.";
                                                                                                                                                        Membrane;
                                                                                                                                                                                                                                                                                                                                       entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               <del>:</del>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           dynactin pathway by interacting with these EMBO J. 20:4041-4054(2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDLINE=21376052; PubMed=11483508; DOI=10.1093/emboj/20.15.4041; Hoogenraad C.C., Akhmanova A., Howell S.A., Dortland B.R., de Zeeuw C.I., Willemsen R., Visser P., Grosveld F., Galjart N.; "Mammalian Golgi-associated Bicaudal-D2 functions in the dynein-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE OF 65-74; 77-91; SUBCELLULAR LOCATION, AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDLINE=22388257;
                                                                                        SEQUENCE
                                                                                                                                                                                                                                                                    EMBL; BC004613; AAH04613.1; -. MGD; MGI:107733; Dctn2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Biochem. Biophys. Res.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INTERACTION WITH BICD2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ξ
                                                                                                                                                                                          Pfam, PF04912; Dynamitin; 1.
Coiled coil; Cytoskeleton; Direct protein sequencing; Dynein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 fissum=Brain;
                                                                                                                                                                                                                                                 nterPro; IPR006996; Dynamitin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     and plays a role in prometaphase chromosome alignment and spindle organization during mitosis. May play a role in synapse formation during brain development.

SUBUNIT: Subunit of dynactin, a multiprotein complex associated with dynein (By similarity). Interacts with BICD2.

SUBCELIULAR LOCATION: Cytoplasmic and membrane-associated.

DEVELOPMENTAL STAGE: Present at high levels in both cytoplasmic and membrane-associated forms in meonates. Levels of membrane-associated forms reduced in the adult.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FUNCTION: Modulates cytoplasmic dynein binding to an organelle,
                                                                                                    214
401 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PubMed=12477932; DOI=10.1073/pnas.242603899;
                   98.8%;
98.1%;
                                                                                        43985 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Commun.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    102-116; 156-170; 194-216
DEVELOPMENTAL STAGE.
Score 248; DB 1;
Pred. No. 9.4e-17;
1; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              233:295-299(1997).
                                                                                        1535E4ABD5940EBC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   complexes.";
                                        Length 401;
                                                                                        CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              complex in the nerve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AND 309-320
                                                                                                                                                                                                                                                                                                                                                                                                                                                            a collaboration MBL outstation -
                                                                                                                                                                                                                                                                                                                                                                                    for commercial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         human
```